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Environmental, Engineering, and Program/Construction
Management Services

Member since October 2010

MANAGEMENT AND LEADERSHIP



Environmental Policy Statement

Through nearly four decades as a firm dedicated to the preservation and enhancement of the natural and built environments, EA has developed a keen social awareness and appreciation for the precious and limited resources that our planet has to offer. As a leader in the environmental field, we hold ourselves accountable in our sustainability initiatives. We seek out opportunities to support the communities we serve through participation in outreach programs and by mentoring others on such topics as materials recycling, waste minimization, energy savings, and related environmental sustainability issues.

In 2009, EA released its first Corporate Sustainability Report documenting the formal establishment of our corporate-wide program, significant results to date, and plans for continuous improvement throughout our 23 offices nationwide, including five in Maryland. A copy of this report can be found at http://eaest.com/corporate_sustainability.php The report's format draws from the framework established by the Global Reporting Initiative (GRI), accepted as the international standard for sustainability reporting and the world's most widely used guidelines in this area.



Environmental Team

In 2009, EA established a Corporate Sustainability Committee, featuring six "Green Teams" to address sustainability issues throughout our nationwide operations. Five of these teams focus specifically on the commonly recognized sustainability pillars:

- . Facilities/Information Technology*
- . Recycling/Reuse*
- . Procurement*
- . Lifestyle/Transportation*
- . Transparency (i.e., employee programs and external marketing)*

Our sixth Green Team, comprising EA's Technical Chiefs, is tasked with further integrating sustainability into our client services and projects. In addition, several subgroups have been formed to address key business areas such as: (1) green remediation, (2) deliverable packaging and production, and (3) marketing and promotions. More than 60 members of EA's staff—representing areas such as administrative support, corporate management, professional staff, field technicians, and project management—have directly led or participated in our internal groups and committees to advance EA's sustainability initiatives.

To ensure company-wide awareness of current activities, EA communicates internal and external sustainability messages during biweekly national conference calls. Sustainability resources and associated references are posted on EA's intranet site for corporate-wide use and reference.



Annual Environmental Goals

In 2009, EA developed a Sustainability Scorecard defining a broad set of sustainability goals across its operations. Goals were aligned using The Balanced Scorecard addressing financial, stakeholder, business improvement, and learning and growth pillars. EA has used this scorecard to develop both short- and long-term action plans, including establishing our internal Green Teams and refining our procurement programs.

EA's corporate sustainability goals embrace a broader perspective and commitment to sustainability principles, as follows:

- Encourage the reduction of consumption through sustainability awareness, efficient practices, and the leveraged use of information and communication technologies.*
- Encourage environmentally preferred purchasing, recycling, and end-of-life practices for goods and services throughout our supply chain.*
- Make sustainability, and the importance of integrating sustainable practices into our daily practices and services, paramount.*
- Provide recognition to offices and employees that demonstrate leadership with internal sustainability practices.*

As an environmental consulting firm, our primary focus is to educate and apply sustainable practices wherever practical in our client engagements, as well as implement sustainable measures within our own firm.



Environmentally Preferable Purchasing

The purchasing of environmentally preferable products is integral to EA's culture. As an established federal contractor for over 20 years, EA has well-established programs to fulfill contract requirements, including green procurement and contracting. Indeed, many of these federal requirements are being integrated into state programs. Examples of this program include the company-wide use of Forest Stewardship Council (FSC)-certified paper with 90% post-consumer recycled content, utilization of hybrid or energy-efficient vehicles in EA's vehicle fleet, and the use of Electronic Product Environmental Assessment Tool (EPEAT) "bronze" standard computer and ancillary equipment. EA is one of the first companies to participate in the new EPEAT Partnership Program. EA also uses eco-friendly (i.e., cartridge-free solid ink) photocopiers in many of our offices. Our sustainability philosophy is also visible in our marketing efforts: our exhibit banners, brochures, and branded materials are produced using environmentally preferable materials.



Environmentally Preferable Products and Services

EA is a leading provider of environmental, engineering, compliance, information technology, natural resources, and infrastructure management solutions to a wide range of governmental and industrial clients. We work closely with our clients to integrate environmental and human health considerations into their operations, activities, and decision-making processes and support their mission to operate in an environmentally and economically sustainable manner. For example, EA has provided support to Fort Meade in developing and implementing their updated Pollution Prevention Plan, as well as working with four of the six modals comprising the Maryland State Department of Transportation to develop and implement leading management system approaches for waste management and reduction.

EA provides engineering, environmental services, and program/construction management support to meet the stormwater management and site design needs of our clients. EA understands the potential impact of development on our sensitive ecosystem and incorporates environmental site design and low-impact development techniques into both our stormwater management and site design projects to minimize those impacts. On such projects, EA maintains existing site drainage patterns, as much as feasible, and promotes the infiltration of runoff to improve stormwater quality and recharge precious groundwater. To that end, EA routinely incorporates low impact design (LID) technologies such as submerged gravel wetlands, landscape infiltration, bioretention, micro-bioretention, and grass channels into our designs.

EA is also involved in projects to conserve, protect, and manage potable water sources as well as evaluate and design drinking water treatment and distribution systems. Additional work includes restoration of estuaries and salt marshes, creation of wetlands, removal of dams and enhancement of fish passages, support of the beneficial re-use dredged material, and restoration of contaminated sites.

EA is active in the area of energy management and supports many clients by developing and supervising the implementation of Comprehensive Energy Management Programs – strategies for improving energy efficiencies and reducing energy intensities. Essential to the success of these programs is the clear understanding of energy utilization, which results from the energy audits conducted by our in-house team of Certified Energy Managers. Focusing on lighting, HVAC, building envelope, and equipment, these professionals evaluate energy usage and identify energy conservation opportunities—enabling our clients to maximize the performance of their building systems.

One of EA’s specialty areas is addressing the environmental requirements of renewable energy projects. Our experience includes wind, solar, hydro, and biogas projects. We have obtained public utility commission approvals for energy-generating projects and managed the integration of project construction permits with state and federal operating permits. EA’s expertise is instrumental in maximizing operational and economic benefits, including the revenue potential of carbon reduction and renewable energy credits, while ensuring compliance with applicable environmental regulations.



Environmental Restoration or Community Environmental Projects

At EA, our employees lead by example as they promote sustainability within their own communities. By participating in both environmental restoration and community environmental projects, EA employees and their families contribute their time and expertise to improve the communities where they work and live. Through these volunteer efforts, they work side-by-side with local stakeholders and engage them in meaningful conversations about key topics and concerns. The following are just a few examples of the many volunteer efforts on the part of our Maryland-based employees over the past three years:

- EA’s Ocean Pines, MD office staff maintains a stretch of highway under the MD State Highway Administration’s Adopt-a-Highway program.*
- Professionals located in EA’s Baltimore City, MD office helped plant trees during an event by the Parks & People Foundation in the City of Baltimore.*
- Scientists from EA’s Sparks, MD office participated in an electrofishing demonstration for elementary school students at Fort Meade.*

- *Scientists from EA's Edgewood, MD office promoted environmental awareness during the Tree City Growth Award celebration at Aberdeen Proving Ground.*
- *Staff from EA's Baltimore and Sparks offices has removed trash and debris from area streams and wooded areas as volunteers for Project Clean Stream sponsored by The Alliance for the Chesapeake Bay.*

WASTE



Solid Waste Reduction and Reuse

We have reduced our paper use through the following efforts:

- *Emphasizing “paperless” initiatives such as electronic paychecks, timesheets, and expense vouchers, and electronic invoice and payment systems to clients.*
- *Expanding electronic data exchanges and file maintenance through Enterprise systems, both internally and for clients.*
- *Promoting double-sided printing by establishing this print option as the default setting on most printers.*
- *Expanding use of “print to PDF” tools.*
- *Promoting paperless meetings, conferences, and events, and emphasizing web-based collaboration tools.*
- *Continually emphasizing the need to recycle, reuse, and to consider the environment before printing.*

EA has developed a reuse program to reduce electronic waste generated across all EA operations. Reuse options include employee auctions, charitable donations, and recycle/return through licensed vendor and leasing agents. To date, over 2,000 pounds of electronic equipment – including computers and cell phones – have been recycled and diverted from disposal.

EA has introduced a customized sustainability logo to symbolize the company's commitment to sustainable practices by incorporating the tenets of “reduce, reuse, recycle” into the company logo. This new logo was unveiled as part of our sustainability program and is now used company-wide to promote program awareness.



Recycling

Every EA business location has a recycling program for basic paper, cardboard, aluminum, plastic, and ink toner cartridges. Most offices also recycle glass and batteries. In locations where recycling options are limited, EA employees have taken the initiative to expand recycling opportunities through “take home”

efforts. For example, at our office in Sparks, MD, aluminum cans are collected by an employee as a fundraising mechanism for a local nonprofit organization.

☒ **Hazardous Waste/Toxic Use Reduction**

In our offices, EA specifies the use of non-toxic, environmentally friendly cleaning products wherever possible.

ENERGY

☒ **Energy Efficiency**

We actively work with our landlords in leased spaces to recommend energy-efficiency improvements and have implemented retrofit programs to upgrade to energy-efficient lighting. Our participation as an EPEAT Partner also demonstrates our commitment to energy efficient equipment.

TRANSPORTATION

☒ **Employee Commute**

Employee commuting is the largest contributor to EA's carbon footprint. When we evaluated our employee commuting practices and calculated the resulting carbon footprint for calendar year 2009, we found that most employees commute less than 30 miles each way to work. Only 2% of our workforce identifies ridesharing as their primary method of traveling to work, while another 2% list a combination of methods including ridesharing, public transportation, and biking. While some employees commute via public transit, 75% of them do not have easy access to this option and cite scheduling and inconvenience as reasons for not using public transportation. Our Green Teams are currently evaluating this data and working to develop policies and associated monitoring metrics to reduce the number of employee commute trips taken by single-occupancy vehicles.

☒ **Efficient Business Travel**

We have evaluated our corporate travel practices as part of our carbon footprint calculations and have estimated that our total air travel distance in 2009 exceeded 3 million miles with a carbon footprint of 1,286 metric tons of CO_{2e}. The vast majority of EA's business travel is integral to providing quality service to our clients and is performed at our clients' request. Therefore, our Green Teams are concentrating on initiating actions to both reduce and compensate for the business travel undertaken at our discretion, as well as improving the performance of our fleet vehicles. EA has purchased carbon credits to offset the impact of our business travel.



Fleet Vehicles

During the last calendar year, EA operated a fleet of 150 vehicles that averaged 15.13 MPG and 17,000 miles per year, with a calculated carbon footprint of 580 metric tons of CO_{2e}. Once again, most EA business travel is requested by clients, and EA Green Teams are striving to develop policies that reduce and compensate for the business travel undertaken at our own discretion, as well as improve the performance of our current configuration of fleet vehicles. So far this calendar year, EA has replaced eight traditional fleet vehicles with new cars and trucks utilizing more energy-efficient hybrid and flex-fuel technology wherever practical. We project this sustainability action to result in a CO_{2e} reduction of approximately 17.8 metric tons in 2010 alone.

GREEN BUILDING



EA senior management is currently working with our property managers to incorporate sustainability considerations into the evaluation of office space. Examples include green building certification, energy efficiency certifications, easy access to public transit and amenities, recycling, and green cleaning services. EA leases office space in a building in San Antonio, Texas, that was awarded the prestigious Energy Star for 2009.

OTHER



Sustainability Awards and Recognition

Business Achievement Award: *EA is honored that our employees' efforts to continually improve the company's performance have achieved recognition on a national level. For our 2009 efforts, EA's Corporate Sustainability Program was recognized with a Business Achievement Award in the category of Organizational Innovation by the Environmental Business Journal, one of our industry's leading publications. In addition to the program's measurable results, which include the recycling of more than 2,000 pounds of electronic equipment, the award recognized the active involvement of EA employees in the program's design as well as their continued commitment to environmental performance improvement.*

Green Booth Award: *EA received the Green Booth Award during EPA's Brownfields Conference in 2008. This award recognized the sustainability practices that EA implemented in its exhibit booth, including the use of seeded paper bookmarks and pens made from recycled materials as giveaways.*

Recognition for Anacostia East Wetland Mitigation: In 2009, EA received an Award of Excellence from the Maryland Quality Initiative (MdQI), an Outstanding Project Award from the American Council of Engineering Companies, Maryland Chapter (ACEC/MD), and as a national finalist for ACEC's Engineering Excellence Award. This was the largest and most complex tidal wetland mitigation project ever undertaken by Maryland State Highway Administration. This project increased the area of tidal wetlands within the Anacostia River watershed by 20%, satisfying mitigation requirements associated with constructing the new Woodrow Wilson Bridge. It provides aquatic habitat as well as educational and recreational opportunities.

Membership in the U.S. Green Building Council (USGBC): EA is a corporate member and employs a growing number of LEED Accredited Professionals and Associates.